TYPHOON SAFETY

SOP FOR DESTRUCTIVE WEATHER

MARINE CORPS BASES JAPAN
ORDER P3000.1C w/Ch1

What is a Typhoon?

- A tropical cyclone with winds of 74 miles (119 kilometers) per hour or greater that is usually accompanied by rain, thunder, and lightning, and that sometimes moves into temperate latitudes
- The most common and damaging natural disaster for Okinawa.
- Most common between the periods of 1 June and 30 November, the “typhoon season,” yet typhoons and tropical storms may affect Okinawa any time of the year.

- **Typhoons rank among nature's most spectacular displays of energy. Even with today's nuclear technology, energy released within the storm's area of influence far exceeds man's ability to duplicate.**
- **Examples of this ferocious energy have been recorded rainfall of 1.32 inches within a ten-minute period and wind speeds in excess of 200 kts.**

Typhoons

- Have a typical lifespan of nine days.
- Move at a rate of 10-15 kts and cover an average distance of 2,700 nautical miles.
- Generally originate near the equator and travel in a westerly to northwesterly track.
- The trajectory depends on the time of year, distance from equator, and climate.
- Okinawa is affected by an average of

Typhoon Conditions

TCCOR 4

- **Destructive winds of 50 knots or greater are possible within 72 hours.**
- **TCCOR 4 will be continuously in effect as a minimum condition of readiness from 1 June to 30 November annually.**
- **Now is the time to stock-up on food and Typhoon Supplies.**

TCCOR 3

- **Destructive winds of 50 knots or greater are possible within 48 hours.**
- **Initiate a general cleanup around homes and office.**

TCCOR 3

- **Activities aboard Military Installations will continue without interruption.**
- **As the threat of a tropical cyclone becomes greater, service commanders will progressively prepare their facilities against potential storm damage.**

TCCOR 2

- **Destructive winds of 50 knots or greater are anticipated within 24 hours. Remove or secure all outside items.**

TCCOR 2

- **Normal activities aboard military installations continue without interuption.**

PROHIBITED

- The consumption of alcohol is prohibited during typhoon conditions TCOR1, TCOR1C, TCOR1E, TCOR1R and TCORSW.
- This applies to personnel in government housing and in off-base residences as well as members in BOQ’s/BEQ’s.

TCCOR 1

- **Destructive winds of 50 knots or greater are anticipated within 12 hours. No school for DoDDS students. Staff and teachers will work normal hours, unless changed by DoDDS superintendent. Fill any containers you can use for water storage. If you live in low lying quarters, make arrangements to stay with a friend. Make final check of food and other supplies.**

TCCOR 1

- All nonessential activities should be discontinued as directed by service commanders. There will be no school for DODDs students. Children will return and/or remain home. School buses will return children if in route, however staff and teachers work during normal duty hours.
- If storm diminishes TCORSW will be declared
- Personnel will return to normal duty as directed by service commanders.
- Military/civilian personnel may be selectively released if necessary to supervise children released from school

TCCOR 1 Caution

- **Destructive winds of 50 knots or greater are anticipated within 12 hours. Actual winds are 34-49 knots. All nonessential personnel will be released to their quarters at this time. DoDDS schools will close at this time. Staff and teachers return home or remain home. Base exchange, shops, Commissary, Shoppettes, Gas Station, Services facilities, Clubs, Restaurants, Recreational Facilities and Post Office will close. Movement about the base should be kept to a minimum. SFS will enforce "essential vehicles only"policy. (Reference Base O-Plan 32-1 "Base Disaster Operations Plan)**

TCCOR 1 Emergency

- Actual winds of 50 knots or greater.
- All outside activity is prohibited.

TCCOR 1 Recovery

- **Destructive winds of 50 knots are no longer occurring. Actual winds are 34-49 knots. Nonessential functions remain closed unless directed by the commander. All but emergency essential personnel remain in their quarters.**

Storm Watch

- The typhoon is moving away but the base is still feeling some effects.
- Hazardous conditions may exist due to storm damage. In some cases the storm could return to Okinawa, so stay alert.
- All military and civilian personnel will return to work within 2 hours or at normal duty hours unless otherwise instructed by their commander. The Commissary and BX will resume operations, unless directed otherwise by the installation commander.

All Clear

- **Hazardous conditions and winds are no longer present. Return to normal duties. All Clear is announced when all hazards have been cleared. DoDDS teachers, staff and students will return to school during normal hours. From June 1st to November 30th Okinawa will return to TCCOR 4.**

Typhoon Preparation

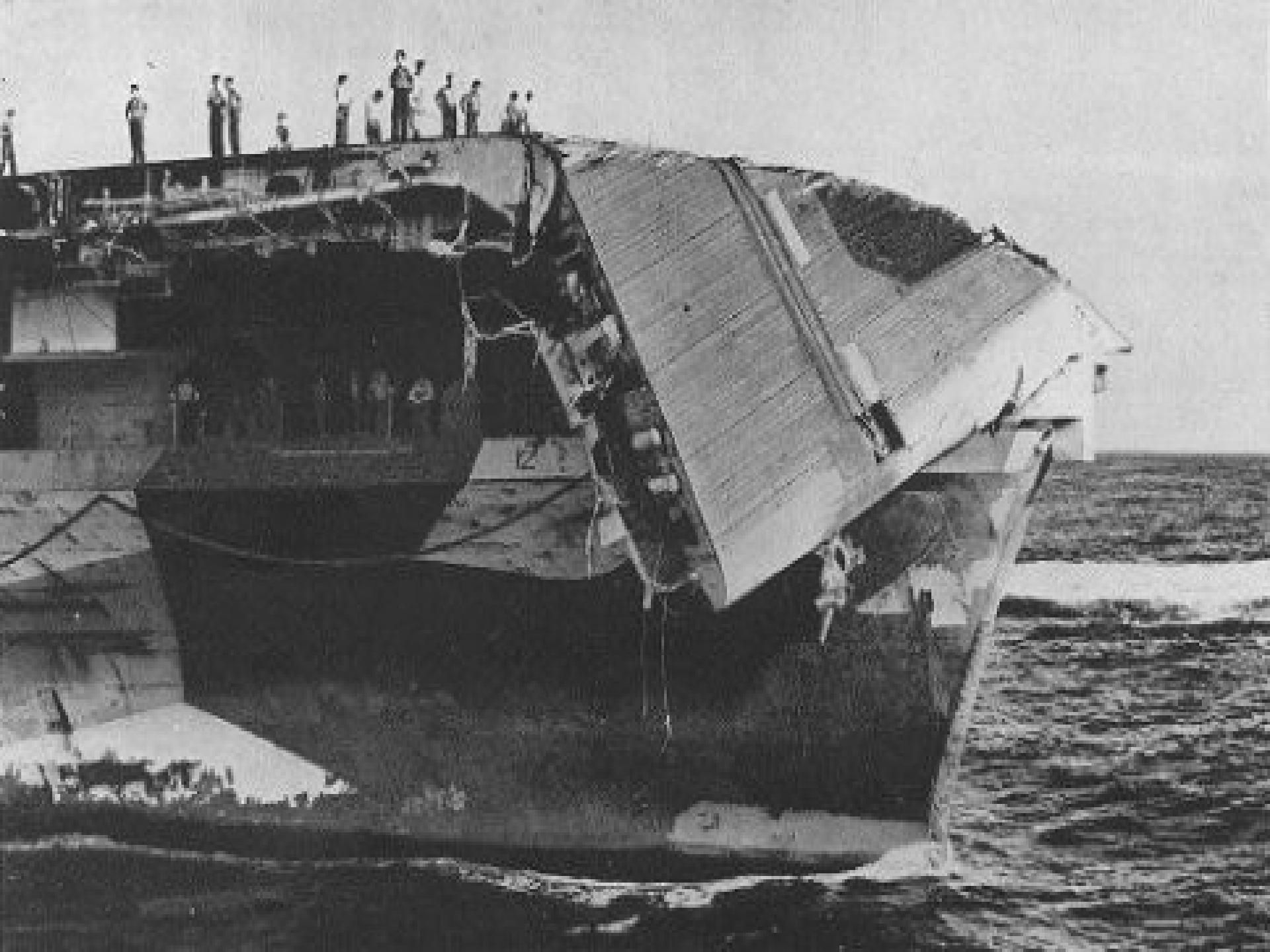
- **Some of the basic supplies needed for a typhoon include: a Three-day supply of water, (one gallon per person per day) , nonperishable food items, a first aid kit, sanitation supplies, tools, weather radio, batteries, flashlights, candles, clothing and bedding. Families should keep in mind that special items needed for infants or the elderly such as baby formula, diapers and any prescriptions will also needed during a typhoon. Families should also develop an emergency action plan.**

THE REALITY…

TYPHOONS CAN CAUSE SERIOUS DAMAGE, PERSONAL INJURY AND SOMETIMES DEATH!

MCAS IWAKUNI

USS BENNINGTON (CV 20)



Typhoon Preparation

- Move all computers and electronic devices away from windows.
- Cover all electronic devices with plastic garbage bags.
- Unplug all unnecessary electronics but keep internet cables attached to computers.
- Ensure that all hatches and windows are secured. Lower all blinds
- Close internal typhoon doors

Typhoon Preparation con’t

- **Bring all floor mats inside, roll them up and place inside against the bottom of the doors.**
- **Establish communication procedures.**
- **Utilize office recall rosters to ensure accountability.**